

CLAIMS

What is claimed is:

1. A method for providing desired content, comprising:
receiving a first content request at a first storage device;
analyzing a map at said first storage device to determine if a copy associated with
said first content request is present at said first storage device, said map
including at least one map entry having an identifier suitable for
describing a range of addressable data blocks, wherein the map entry
corresponds to a data block stored in said first storage device;
providing said copy associated with said first content request to a user; wherein
said copy associated with said first content request is retrieved from a
second storage device to said first device when said copy associated with
said first content request is not initially present at said first storage device.
2. The method as claimed in claim 1, further comprising updating said map when
said copy associated with said first content request is retrieved from a second storage
device to said first storage device.
3. The method as claimed in claim 2, further comprising receiving a second content
request, said second content request being the same as said first content request, wherein
a copy associated with said second content request is provided to a user directly from said
first storage device.
4. The method as claimed in claim 1, further comprising transmitting a message
from said second storage device to said first storage device after an original copy
associated with said first content request is modified at said second storage device.

5. The method as claimed in claim 4, wherein said message transmission invalidates said copy associated with said first content request at said first storage device.

6. The method as claimed in claim 5, further comprising updating said map at said first storage device when said copy associated with said first content request is invalidated.

7. The method as claimed in claim 4, wherein said message includes a modified copy associated with said first content request replacing said copy associated with said first content request at said first storage device.

8. The method as claimed in claim 4, wherein a modified copy associated with said first content request is transmitted to said first storage device from said second storage device, said modified copy replacing said copy associated with said first content request; said modified copy associated with said first content request being transmitted based on a user-defined criteria.

9. The method as claimed in claim 1, further comprising passing a unique token between said first storage device and said second storage device, wherein said token assesses validity of the map stored in said first storage device.

10. The method as claimed in claim 9, wherein said token is capable of instructing said first storage device to invalidate said map at said first storage device.

11. A system for providing requested content comprising:
a first storage device; and
a second storage device operably connected to said first storage device; wherein
said first storage device and said second storage device are suitable for receiving
and storing information, wherein a map is stored at said first storage device, said
map including at least one entry including an identifier suitable for describing a
range of addressable data blocks, wherein said map is suitable for being utilized to
provide a copy associated with a first content request to a user when said copy is
located at said first storage device and capable of retrieving said copy from said
second storage device to said first storage device when said copy is not initially
present at said first storage device.

12. The system as claimed in claim 11, wherein said map is updated when said copy
of requested content is retrieved from said second storage device to said first storage
device.

13. The system as described in claim 11, wherein a modified copy associated with
said first content request is transmitted to said first storage device from said second
storage device, said modified copy replacing said copy associated with said first content
request; said modified copy associated with said first content request being transmitted
based on a user-defined criteria.

14. The system as claimed in claim 11, wherein a token is passed between said first
storage device and said second storage device, said token is capable for assessing validity
of said map stored at said first storage device.

15. The system as claimed in claim 14, wherein said token is capable of instructing
said first storage device to invalidate the map stored at said first storage device.

16. A method for providing requested content, comprising:
receiving a first content request at a first storage device;
analyzing a map at said first storage device including at least one map entry
having an identifier suitable for describing a range of addressable data
blocks, wherein the map entry corresponds to a data block stored in said
first storage device;
providing a copy associated with said first content request from said first storage
device when said copy is initially present said first storage device to a
user;
retrieving said copy associated with said first content request from a second
storage device when said copy is not initially present at said first storage
device, said second storage device being operably connected to said first
storage device;
providing said second copy associated with said first content request when said
copy is not initially present at said first storage device; and
updating said map stored at said first storage device to reflect current storage at
said first storage device.

17. The method as claimed in claim 16, further comprising receiving a second content
request, said second content request being the same as said first content request, wherein
a copy associated with said second content request is provided to a user directly from said
first storage device.

18. The method as claimed in claim 16, further comprising transmitting a message
from said second storage device to said first storage device after an original copy
associated with said first content request is modified at said second storage device.

19. The method as claimed in claim 18, wherein said message transmission invalidates said copy associated with said first content request at said first storage device.

20. The method as claimed in claim 19, further comprising updating said map at said first storage device when said copy associated with said first content request is invalidated.

21. The method as claimed in claim 18, wherein said message includes a modified copy associated with said first content request replacing said copy associated with said first content request at said first storage device.

22. The method as claimed in claim 18, wherein a modified copy associated with said first content request is transmitted to said first storage device from said second storage device, said modified copy replacing said copy associated with said first content request; said modified copy associated with said first content request being transmitted based on a user-defined criteria.